

Appl. No. 10/707,444  
Amdt. dated August 31, 2005  
Reply to Office action of June 01, 2005

### REMARKS/ARGUMENTS

Claims 1-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over applicant's admitted prior art in combination with Nishida et al. US Pub. 2001/0036705 A1 and Abadeer et al. US Pub. 2005/0090049 A1, and Parat et al. US Pub. 2004/0058508 A1 in combination with Kim et al. US Pub. 2004/0147090 A1.

Claim 6 and 23 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

10 **1. Rejection of Claims 1-33 under 35 U.S.C. 103(a):**

Claims 1-33 are rejected under 35 U.S.C. 103(a) for reason of record, as recited on pages 2-6 of the above-indicated Office action.

**Response:**

- 15 Claim 1 has been combined with all the limitations of the original claims 3 and 6, i.e. Claim 1 is amended to add the limitation that the shallow trenches comprise drift shallow trenches and isolation shallow trenches, and of forming two isolation ion implantation regions underneath the isolation shallow trenches to isolate the high voltage metal oxide semiconductor device and the Sub-micron metal oxide semiconductor device. Claim 15
- 20 has been combined with the original claims 20 and 23, i.e. Claim 15 is amended to add the limitation that the shallow trenches comprise drift shallow trenches and isolation shallow trenches, and of forming two isolation ion implantation regions underneath the isolation shallow trenches to isolate the high voltage metal oxide semiconductor device

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and the Sub-micron metal oxide semiconductor device.

Since the Examiner points that claims 6 and 23 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening  
5 claims, the amended claims 1 and 15 are believed to be allowable. Therefore, reconsideration and allowance of the claims 1 and 15 are politely requested.

Claims 2, 4, 5, 7-14 are dependent upon claim 1, thus they should be allowable if the amended claim 1 is requested. Claims 16-19, 22, 24-33 are dependent upon claim 15, thus  
10 they should be allowable if the amended claim 15 is allowable. Accordingly, reconsideration of claims 2, 4, 5, 7-14, 16-19, 22, and 24-33 are hereby requested.

**2. Objected allowance of claims 6 and 23:**

Claims 6 and 23 are objected to as being dependent upon a rejected base claim, but would  
15 be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims, as recited on page 6-7 of the above-indicated Office action.

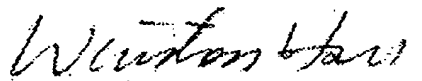
**Response:**

20 Claims 6 and 23 were respectively dependent upon claims 3 and 20. In this amendment, claim 1 has been combined with the original claims 3 and 6, and claim 15 has been combined with the original claims 20 and 23. Claims 3, 6, 20, and 23 are canceled. Therefore, consideration of claims 3, 6, 20, and 23 is no more needed.

25 Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

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Sincerely yours,



Date: August 31, 2005

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- 10 Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)